

THAT WHICH IS CLAIMED IS:

1. A barrier laminate comprising:
a paperboard substrate having a first surface and a second surface, the second surface being opposite the first surface; and,
a barrier layer positioned as an outermost layer along said first surface, said barrier layer further comprising an effective amount of an essential oil anti-scalping additive.
2. A barrier laminate according to claim 1 wherein said additive is selected from the group consisting of calcium carbonate, diatomaceous earth, silicate anti-blocks, and combinations thereof.
3. A barrier laminate according to claim 1 wherein said barrier layer is selected from the group consisting of linear low-density polyethylene, low-density polyethylene, medium-density polyethylene, ethylene vinyl alcohol, and combinations thereof.
4. A foldable laminated blank comprising:
a substrate material selected from the group consisting of paper, paperboard, fiberboard, and bleached kraft paper having a first side and a second side opposite the first side; and,
a skin coat positioned on an innermost surface of at least one of said first side or said second side, said skin coat comprising a heat sealable material containing an effective amount of an additive.
5. A process of limiting scalping of essential oils from a paperboard container having an interior food contact layer of a polyolefin comprising the steps of:
supplying a substrate selected from the group consisting of paper, paperboard, fiberboard, and bleached kraft paper having a first side and a second side opposite the first side; and,

coating a product-contacting surface of said substrate with a layer of a polyolefin mixed with an effective amount of an inorganic additive.

6. The process according to claim 5 wherein said inorganic additive is selected from the group consisting of calcium carbonate, diatomaceous earth, silicate anti-blocks, and combinations thereof.

7. The process according to claim 5 wherein said polyolefin is selected from the group consisting of linear low-density polyethylene, low-density polyethylene, medium-density polyethylene, and combinations thereof.

8. A skin coat layer for a paperboard carton consisting essentially of a blend of a polyolefin and an inorganic additive.

9. The skin coat layer according to claim 8 wherein said inorganic additive is present in an amount which reduces the coefficient of friction of the polyolefin.

10. A paperboard carton having a polyolefin surface layer comprising:
a blend of a polyolefin and an inorganic additive, said inorganic additive present in an amount sufficient to decrease a coefficient of friction value of the polyolefin surface layer.

11. The foldable laminated blank according to claim 4 wherein said heat sealable material is selected from the group consisting of linear low-density polyethylene, low-density polyethylene, medium-density polyethylene, ethylene vinyl alcohol, and blends thereof.

12. The barrier laminate according to claim 1 wherein said additive is selected from the group consisting of organic additives, inorganic additives, immiscible polymers, and combinations thereof.

13. A carton constructed according to a barrier laminate of claim 1.
14. A carton constructed from a foldable laminated blank according to claim 4.
15. A carton made according to the process of claim 5.
16. A paperboard carton having a skin coat layer according to claim 8.
17. A paperboard carton having an essential oil resistant barrier layer comprising:
 - a paperboard substrate having a first side and a second side opposite the first side; and,
 - an essential oil resistant barrier layer positioned on at least one of said first side or said second side, said D-limonene resistant barrier layer comprising a heat sealable material containing an effective amount of an essential oil reducing additive.
18. The paper board carton according to claim 17 where said essential oil resistant barrier layer has a skin coat positioned on an innermost surface of said at least one of said first side or said second side, said skin coat comprising a heat sealable material and adjacent to said barrier layer.
19. A process of limiting scalping of essential oils from a paperboard container having an interior contact layer of polyolefin comprising the steps of:
 - supplying a substrate selected from the group consisting of paper, paperboard, fiberboard, and bleached kraft paper, having a first side and a second side opposite the first side; and,
 - coating an interior surface of said substrate with a layer of a polyolefin mixed with an effective amount of an essential oil scalping reducer comprising an inorganic additive.

20. The process according to claim 19 comprising the additional step of applying a product contacting surface to said inner layer, said product contacting surface further comprising a layer of polyolefin.

21. A barrier laminate comprising:

a paperboard substrate having a first surface and a second surface, the second surface being opposite the first surface, said second surface being adjacent a plurality of extruded polymer layers;

a first water vapor barrier layer comprising one of said plurality of extruded polymer layers and having an effective amount of a water vapor transmission rate reducing inorganic additive; and,

a second water vapor barrier layer comprising one of said plurality of extruded polymer layers, said second barrier layer further comprising an effective water vapor transmission rate reducing amount of an inorganic additive.

22. The barrier laminate according to claim 21 wherein at least one of said plurality of extruded polymer layers further comprises a heat sealable layer of polyethylene containing an effective amount of an essential oil anti-scalping additive.

23. The barrier laminate according to claim 21 wherein said plurality of extruded polymer layers further comprises a third barrier layer comprising an effective water vapor transmission rate reducing amount of an inorganic additive.

24. The barrier laminate according to claim 21 wherein at least one of said water vapor barrier layers and said second water vapor barrier layers is an adhesive tie layer.